

C l a i m s

1. Element for the determination of an analyte in a liquid by means of a specific binding reaction of two bioaffine binding partners

containing in or on material which enables liquid transport between zones, a sample application zone (1) and a detection zone (4) located downstream thereof

as well as a zone (3) containing immobilized analyte or analyte analogue between the sample application zone (1) and detection zone (4)

and an impregnated conjugate 1 located upstream of the zone (3) containing immobilized analyte or analyte analogue that can be detached by liquid and is composed of a bioaffine binding partner 1 capable of a specific binding reaction with the analyte to be determined and a detectable label 1,

wherein

the detectable label 1 is a low molecular organic molecule

and a universal conjugate 2 is present upstream of the zone (3) containing immobilized analyte or analyte analogue which can also be detached by liquid and is composed of a bioaffine binding

partner 2 capable of a specific binding reaction with the detectable label 1 and a visually detectable label 2.

2. Element as claimed in claim 1, wherein the detectable label 1 is digoxigenin or digoxin.
3. Element as claimed in claim 1 or 2, wherein the bioaffine binding partner 2 is an antibody to digoxigenin or digoxin.
4. Element as claimed in one of the claims 1 to 3, wherein metal or latex particles are used as a visually detectable label 2.
5. Element as claimed in claim 4, wherein gold particles are used as the visually detectable label 2.
6. Element as claimed in one of the claims 1 to 5, wherein an elution agent application zone (6) is located upstream of the sample application zone (1).
7. Element as claimed in claim 1, wherein conjugate 1 and conjugate 2 are located between the sample application zone (1) and zone (3) containing immobilized analyte or analyte analogue.
8. Element as claimed in claim 6, wherein conjugate 1 and conjugate 2 are located between the elution agent application zone (6) and the sample application zone (1).

9. Element as claimed in claim 1, wherein conjugate 1 and conjugate 2 are located in the sample application zone (1).
10. Method for the determination of an analyte using an element as claimed in claims 1 to 9, wherein

a sample application zone (1) is contacted with analyte, the analyte is moved by liquid towards the detection zone (4), analyte present in this liquid reacts with conjugates 1 and 2 to form a detection complex,

the detection complex is transported by liquid into the detection zone (4)

and is determined there.
11. Method as claimed in claim 10, wherein the liquid is a sample liquid which is used to bring the analyte onto the element.
12. Method as claimed in claim 10, wherein an additional elution agent is added to the elution agent application zone (6) as claimed in claim 6 to move the analyte.
13. Use of an element as claimed in claims 1 to 9 to determine an analyte.
14. Kit for determining an analyte containing an element as claimed in claims 1 to 9 and an elution agent.

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